

DATASHEET

CP47 TRAILER & ASSET TRACKER

DESCRIPTION

CP4779A is a self-contained LTE Cat1 modem with integrated GPS engine, cellular antennas, accelerometer, motion detector, Wi-Fi and Bluetooth for optional wireless sensor integration, and 5 Ah internal rechargeable battery.

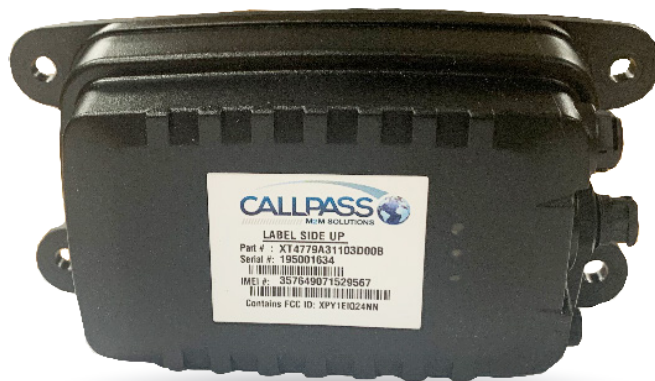
With a powerful 32-bit microprocessor and unique power management algorithm, CP4779A consumes less than 120 μ A in sleep mode and yet capable of periodic reporting of health, status and location of remote assets. With multiple input and output ports along with proven embedded application, CP4779A is an ideal solution for monitoring and control of high value remote assets where input power availability is of concern.

CP4779A has been designed with the latest GPS technology allowing GPS tracking under extreme conditions where most other competing products fail. The weatherproof case (meets IEC 68-2-27 environmental standard and is IP66 certified) allows CP4779A to be used in a myriad of applications such as container, trailer, and motorcycle tracking.

CP4779A is another example of our dedication to providing unique and innovative asset tracking products that address the ever growing number of applications and customer requirements.

USE CASES

- Trailer and Chassis (wired installation)
- Generators
- Mobile Lighting
- Agriculture
- Pipeline



KEY FEATURES

- AT&T LTE Cat 1
- LED indicators for sensor activity and detections
- Over-the-Air firmware upgrade
- Supports FTP, HTTP, HTTPS
- 3-axis accelerometer and motion detector
- Internal temperature sensor
- Integrated GPS receiver and antenna
- Integrated LTE band antenna
- 5 Ah rechargeable battery
- 4MB flash memory
- IP 66 rated enclosure
- Optional Wi-Fi and Bluetooth for wireless sensors



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SPECIFICATIONS

MECHANICAL	
Dimensions	5.13" X 2.72" X 1.61" (130.3 x 69.1 x 40.9 mm)
Weight	0.55 lbs (249.5 g)
PHYSICAL CONNECTIONS	
Harness Connector	8-pin circular bayonet
Serial Interface	UART
Optional I/O	2 Digital Input
	3 ADC Inputs
Multi-function Button	WiFi/BLE Pairing, device wake-up
Operating Temperature	-22 °F to 158 °F (-30 °C to 70 °C)
POWER REQUIREMENT	
DC Power	DC 8-30 V
Internal Battery	5 Ah Li-Ion battery
GPS MODULE	
Receiver Type	72 channel
Tracking Sensitivity*	-165 dBm
Accuracy	+/- 2.5 CEP
TTFF Cold Start*	27 seconds
TTFF Hot Start*	1 seconds
Certifications	FCC, PTCRB, IC, Verizon

CELLULAR SPECIFICATIONS

AT&T 4G LTE Cat 1	
LTE Cat. 1 3GPP Release 9 Evolved Uni. Terrestrial Radio Access (E-UTRA) Frequency Division Duplex (FDD) Power Class 3 (23 dBm) SMS: MT/MO	
LTE FDD Bands	2, 4, 5, 12
Power Class	3 (23 dBm)
SMS	MT/MO



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